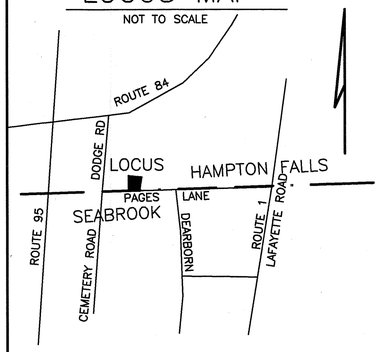
LOCUS MAP

NOT TO SCALE



SOIL CLASS: 38A ELDRIDGE

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1 SET NAIL 15" TREE EL 50.80

#2 SET NAIL 18" HICKORY EL 49.61

#3

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 49.5
2. THERE IS/ARE APPROX 6" FT BELOW ORIGINAL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS.

SUITABLE REPLACEMENT AREA: EL 50

SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

50 / (50)	EXISTING CONTOUR
	PROPOSED CONTOUR
50.0	EXISTING SPOT ELEVATION
(50.0)	PROPOSED SPOT ELEVATION

NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE:

   RCRD PLAN C11011

2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER:

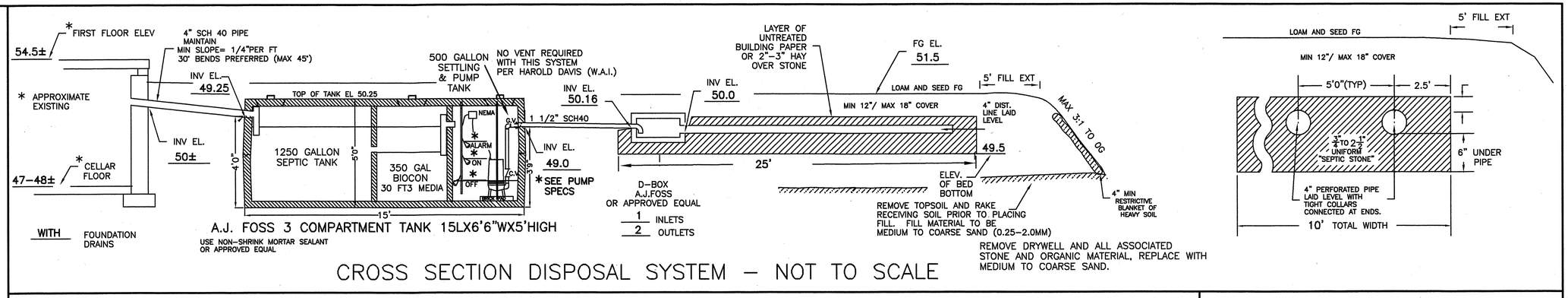
   N/A LOT OF RECORD PRE 1967

3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL WASTE.
4. NO SURFACE WATER OR WELL WITHIN 75' OF PROPOSED SYSTEM.

PUMP SPECIFICATIONS

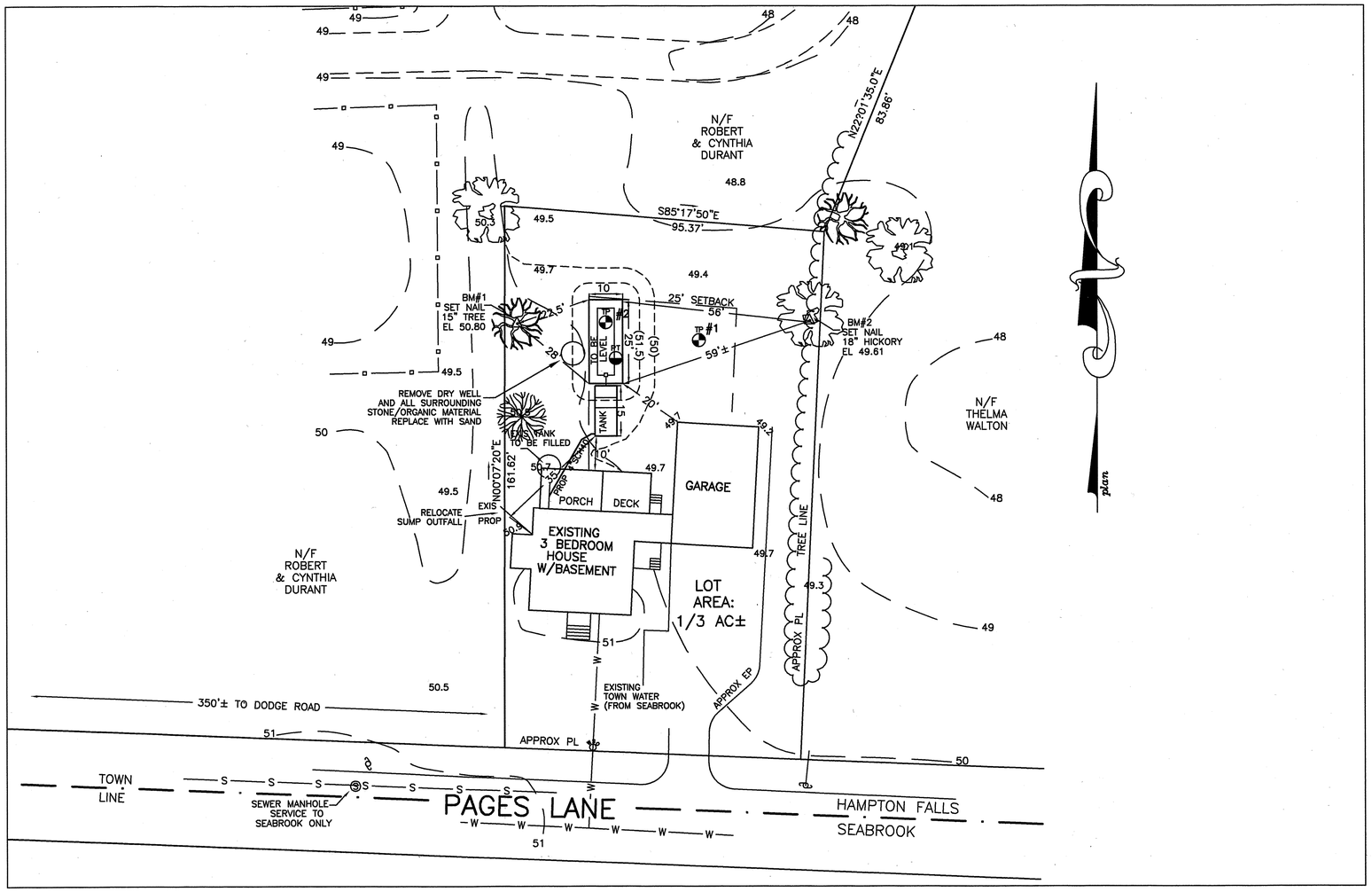
PUMP SELECTION AND PIPING BY WASTEWATER ALTERNATIVES.
STA–RITE EC 440 4/10 HP
FLOATS TO BE SET TO WASTEWATER ALTERNATIVES SPECIFICATIONS FOR DOSAGE OF 125 GALLONS PER DAY FOR 3.6 CYCLES PER DAY BASED ON 450 GPD DESIGN LOADING.
PUMP WILL DELIVER APPROX 60 GPM AT 5'± TDH WITH 2 MIN EST RUNNING TIME

ELECTRICAL CONTROLS MUST BE APPROVED BY PUMP MANUFACTURER.
ALL WASTEWATER ALTERNATIVES SPECIFICATIONS AS OUTLINED IN THE CONTRACT AND MAINTENANCE AGREEMENT SUBMITTED WITH THIS APPLICATION ARE TO BE CONSIDERED AN INTEGRAL PART OF THIS PLAN.


* FIRST FLOOR ELEV
54.5±
4" SCH 40 PIPE MAINTAIN MIN SLOPE= 1/4"PER FT 30° BENDS PREFERRED (MAX 45°)
INV EL. 49.25
* APPROXIMATE EXISTING
INV EL. 50±
* CELLAR FLOOR
47–48±
TOP OF TANK EL 50.25
1250 GALLON SEPTIC TANK
350 GAL BIOCON 30 FT3 MEDIA
500 GALLON SETTLING & PUMP TANK
NO VENT REQUIRED WITH THIS SYSTEM PER HAROLD DAVIS (W.A.I.)
NEMA
ALARM
ON
OFF
GV
1 1/2" SCH40
INV EL. 49.0
* SEE PUMP SPECS
INV EL. 50.16
D–BOX A.J.FOSS OR APPROVED EQUAL
1 INLETS
2 OUTLETS
LAYER OF UNTREATED BUILDING PAPER OR 2"–3" HAY OVER STONE
INV EL. 50.0
FG EL. 51.5
LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
4" DIST. LINE LAID LEVEL
49.5
25'
MAX 3:1 TO 0G
ELEV. OF BED BOTTOM
4" MIN RESTRICTIVE BLANKET OF HEAVY SOIL
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM TO COARSE SAND (0.25–2.0MM)
REMOVE DRYWELL AND ALL ASSOCIATED STONE AND ORGANIC MATERIAL, REPLACE WITH MEDIUM TO COARSE SAND.
WITH FOUNDATION DRAINS
A.J. FOSS 3 COMPARTMENT TANK 15LX6'6"WX5'HIGH
USE NON–SHRINK MORTAR SEALANT OR APPROVED EQUAL
4'0"
5'0"
15'
5.5
5' FILL EXT
LOAM AND SEED FG
MIN 12"/ MAX 18" COVER
5'0"(TYP)
2.5'
2" TO 2½" UNIFORM "SEPTIC STONE"
6" UNDER PIPE
4" PERFORATED PIPE LAID LEVEL WITH TIGHT COLLARS CONNECTED AT ENDS.
10' TOTAL WIDTH

CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

PLAN : 1"=20'



TEST PIT DATA

DATE: APRIL 5, 2004

TOWN INSPECTOR: MIKE CUOMO

TEST PIT #1 ELEV 49.4

0 –14" 10YR3/4 FINE SANDY LOAM GRANULAR FRIABLE
14–27" 10YR4/6 LOAMY SAND GRANULAR FRIABLE, MOIST
27–72" 2.5Y4/4 SAND, LOOSE, SINGLE GRAIN
ESHWT @ 27", NO REFUSAL, OBSERVED WATER @ 27"

TEST PIT #2 ELEV 49.9

0 –18" 10YR3/4 FINE SANDY LOAM GRANULAR, FRIABLE
18–31" 10YR4/6 LOAMY SAND GRANULAR FRIABLE
31–72" 2.5Y4/4 SAND, LOOSE, SINGLE GRAIN
ESHWT @ 31", NO REFUSAL, OBSERVED WATER @ 31"

PERC TEST DATA

DATE: APRIL 5, 2004

PERC RATE: 2 MIN/IN DEPTH: 27"

DESIGN LOADING: EXISTING 3 BEDROOM HOUSE

AREA REQUIRED: 75 SF WITH AIT DESIGN

AREA PROPOSED: 10' X 25' = 250 SF PROVIDED

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM

LOCUS: 33 PAGES LANE
HAMPTON FALLS, NH

OWNER: T. FRANK MARCHELL & CYNTHIA A. WOJCICKI
33 PAGES LANE
HAMPTON FALLS, NH 03844

NEW HAMPSHIRE Designer of Subsurface Disposal Systems
Ann W. Bialobrzeski No. 348
Water Supply & Pollution Control

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03842

DATE: APRIL 23, 2004

APPROVAL: CA2004062860

SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.